



```
PPPPPPPP      AAAAAA      SSSSSSSS      PPPPPPPP      FFFFFFFF      VV      VV
PPPPPPPP      AAAAAA      SSSSSSSS      PPPPPPPP      FFFFFFFF      VV      VV
PP      PP      AA      AA      SS      PP      PP      FF      VV      VV
PP      PP      AA      AA      SS      PP      PP      FF      VV      VV
PP      PP      AA      AA      SS      PP      PP      FF      VV      VV
PPPPPPPP      AA      AA      SSSSSS      PPPPPPPP      FFFFFFFF      VV      VV
PPPPPPPP      AA      AA      SSSSSS      PPPPPPPP      FFFFFFFF      VV      VV
PP      AAAAAAAAAA      SS      PP      FF      VV      VV
PP      AAAAAAAAAA      SS      PP      FF      VV      VV
PP      AA      AA      SS      PP      FF      VV      VV
PP      AA      AA      SS      PP      FF      VV      VV
PP      AA      AA      SSSSSSSS      PP      FF      VV      VV
PP      AA      AA      SSSSSSSS      PP      FF      VV      VV
```

```
RRRRRRRR      EEEEEEEEE      QQQQQQ
RRRRRRRR      EEEEEEEEE      QQQQQQ
RR      RR      EE      QQ      QQ
RR      RR      EE      QQ      QQ
RR      RR      EE      QQ      QQ
RRRRRRRR      EEEEEEEEE      QQ      QQ
RRRRRRRR      EEEEEEEEE      QQ      QQ
RR      RR      EE      QQ      QQ
RR      RR      EE      QQ      QQ
RR      RR      EE      QQ      QQ
RR      RR      EE      QQ      QQ
RR      RR      EEEEEEEEE      QQQQ      QQ
RR      RR      EEEEEEEEE      QQQQ      QQ
```

! Pascal File Variable (PFV\$) field definitions  
File: PASPFV.REQ, Edit: SBL1001

```
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Author: Steven B. Lionel, 1-April-1981

1-001 - Original. SBL 1-April-1981

! The Pascal File Variable (PFV) is a dynamically allocated block whose  
address is passed to the Run-Time Library to uniquely identify a file.  
For more information, see the VAX-11 Language Support Procedures reference  
Manual

! PFV structure definition

FIELD

PFV\$FIELDS =  
SET

PFV\$R\_PFV = [0,0,0,0], ! Field to address the entire structure.

PFV\$A\_BUFFER = [0,0,32,0], ! Address of the user file buffer. If  
! PFV\$V\_RELBUF is set, this address is  
! relative to the PFV address, otherwise  
! it is absolute.

PFV\$B\_VERSION = [4,0,8,0], ! The version number of the PFV layout.  
! The latest version number is defined by  
! the symbol PFV\$K\_CUR\_VERSION.



PFV\$W_FLAGS	= [4,16,16,0],	Status flags which the Run-Time Library   sets and clears to indicate the current status   of the file.
PFV\$V_VALID	= [4,16,1,0],	Buffer is valid. If this bit is set, then   the remaining status bits and the file buffer   itself may be read by the compiled code. If   clear, PASSLOOK_AHEAD must be called to make   the information valid.
PFV\$V_DFB	= [4,17,1,0],	Buffer is defined. If set, the last file   operation resulted in a "defined" file buffer   by the semantics of Pascal. If clear, the   file buffer is "undefined". If PFV\$V_EOF_DEFINED   is set, EOF(f) is equivalent to .NOT. PFV\$V_DFB
PFV\$V_EOF_DEFINED	= [4,18,1,0],	EOF(f) is a valid test. After some file   operations, EOF(f) is not a valid test to make.   If this bit is set, EOF(f) is true if and only   if PFV\$V_DFB is clear.
PFV\$V_EOLN	= [4,19,1,0],	File is at end-of-line.
PFV\$V_RELBUF	= [4,27,1,0],	PFV\$A_BUFFER address is relative to   the PFV address. If clear, the address   is absolute.
PFV\$V_RELPFD	= [4,28,1,0],	PFV\$A_PFD address is relative to the   PFV address. If clear, the address is   absolute.
PFV\$V_OPEN	= [4,29,1,0],	File is open.
PFV\$V_FCB_VALID	= [4,30,1,0],	This bit is set when PFV\$A_FCB contains   the address of a valid FCB. If clear,   PFV\$A_FCB contains the condition code   for the last error to occur on that   file.
PFV\$V_LOCK	= [4,31,1,0],	This is the interlock bit used by the Run-Time   Library to prevent recursive I/O on the same   file.
PFV\$A_PFD	= [8,0,32,0],	Address of the Pascal File Descriptor   (PFD). If PFV\$V_RELPFD is set, this   is relative to the PFV address, otherwise   it is absolute.
PFV\$A_FCB	= [12,0,32,0],	Address of the Run-Time Library's internal   File Control Block (FCB) for this file. This   field must be initially zero! the Run-Time   Library fills it in when the file is opened.
PFV\$L_STATUS	= [12,0,32,0]	A synonym for PFV\$A_FCB.   If PFV\$V_FCB_VALID is clear, this   field is used to store the condition

! code of the last error to occur on this  
! file when the file was not open.

TES;

LITERAL

PFV\$K\_CUR\_VERSION = 0,  
PFV\$K\_SIZE = 16;

! Current version of PFV  
! Size of PFV in bytes

MACRO

\$PASSPFV\_FILE\_VARIABLE = BLOCK [PFV\$K\_SIZE, BYTE] FIELD (PFV\$FIELDS) %;

! End of file PASPFV.REQ



0293 AH-BT13A-SE  
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